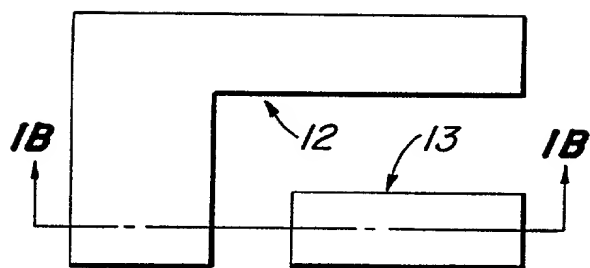
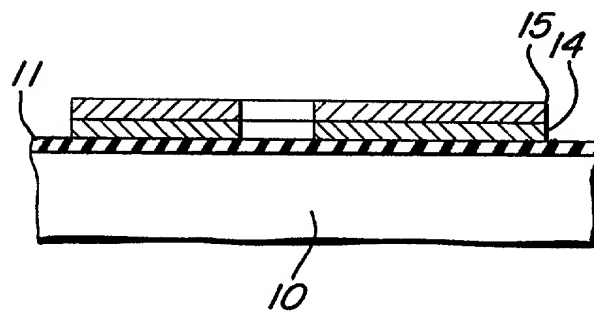


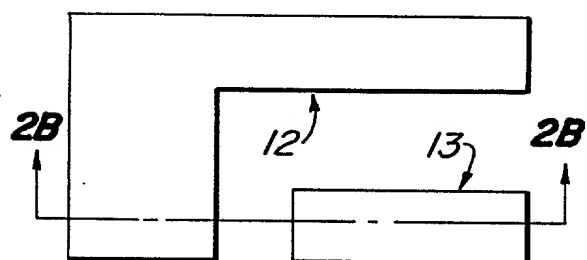
**FIG. 1A**



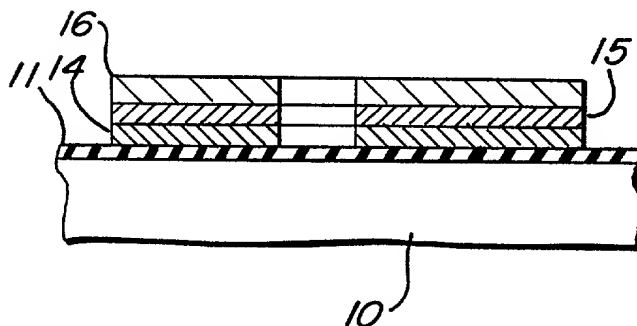
**FIG. 1B**



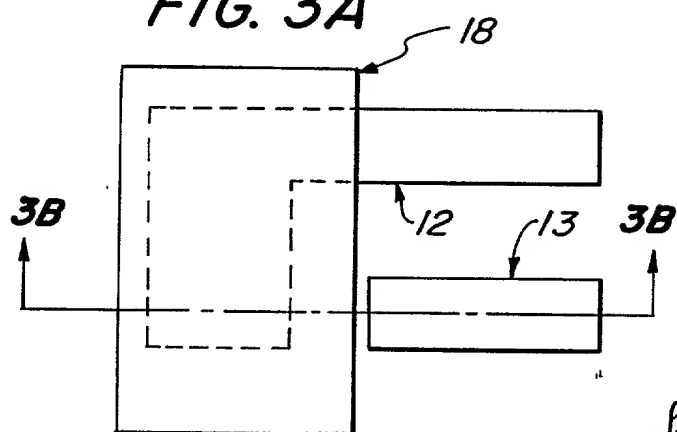
**FIG. 2A**



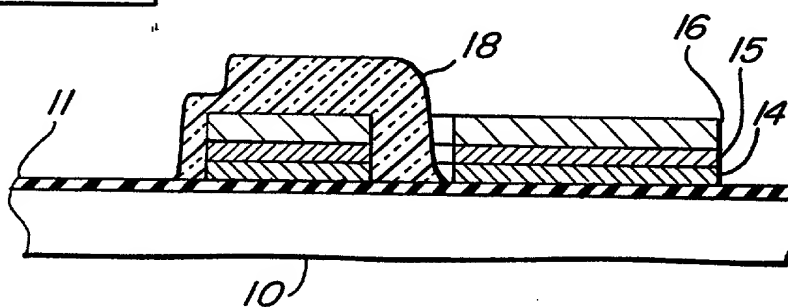
**FIG. 2B**



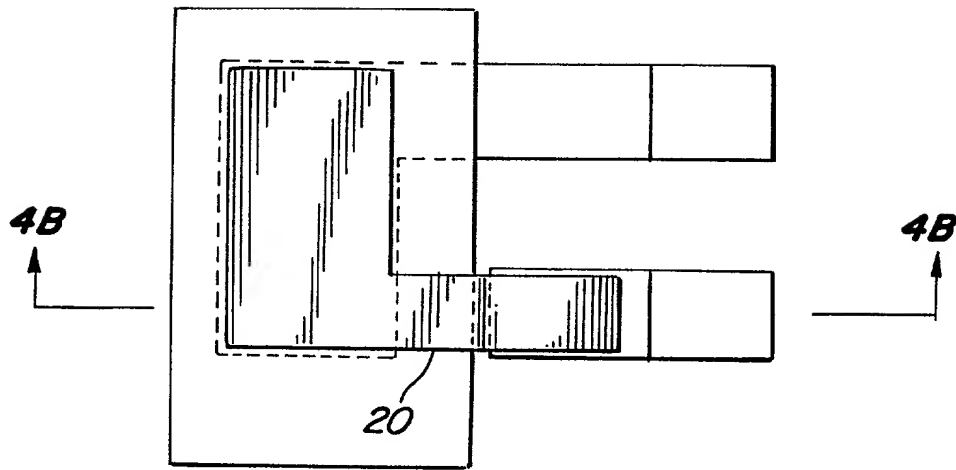
**FIG. 3A**



**FIG. 3B**



**FIG. 4A**



**FIG. 4B**

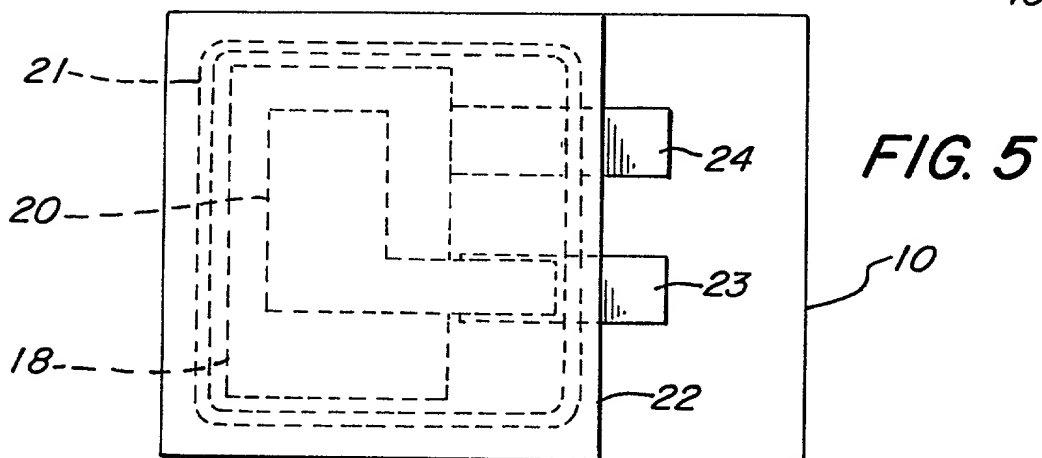
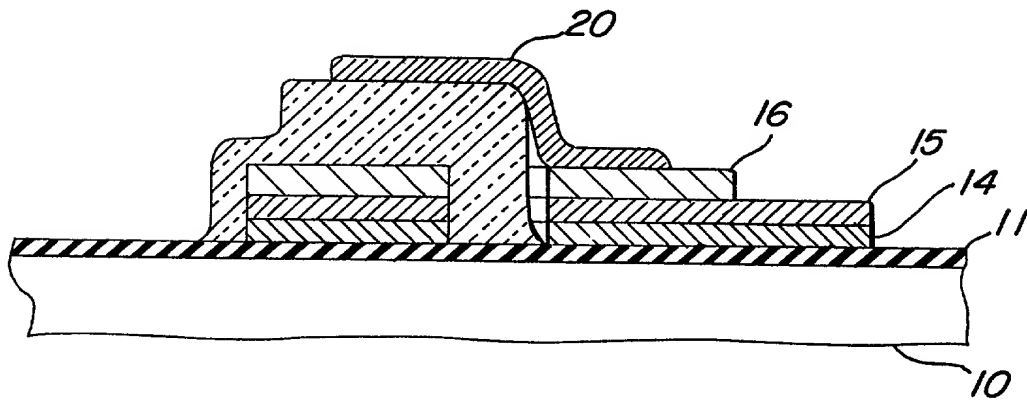


Figure 1 shows the XRD patterns of ZnO film after 1 hr at 300°C. The plot displays Intensity (counts) on the y-axis (0 to 140) versus  $2\theta$  on the x-axis (10 to 40 degrees). Two curves are shown: a solid line labeled "after 1 hr @ 300°C" and a dotted line labeled "As deposited". Both curves show a broad peak around 35.7°, characteristic of ZnO. The "after 1 hr @ 300°C" curve shows a sharp peak at approximately 35.7°, indexed as (104), indicating crystallization. The "As deposited" curve shows a broad amorphous-like peak centered around 35.7°.

FIG. 6B

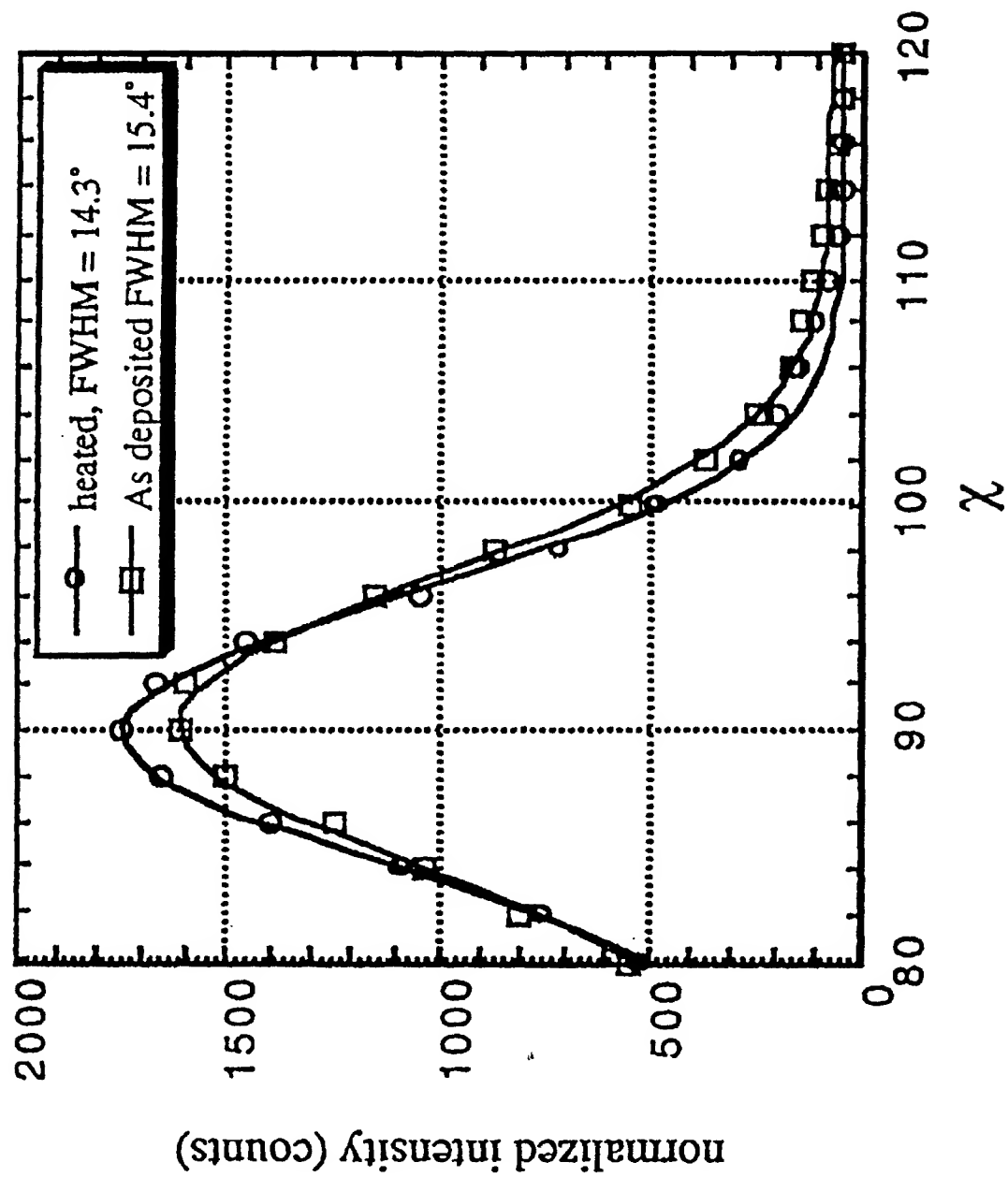


FIG. 7

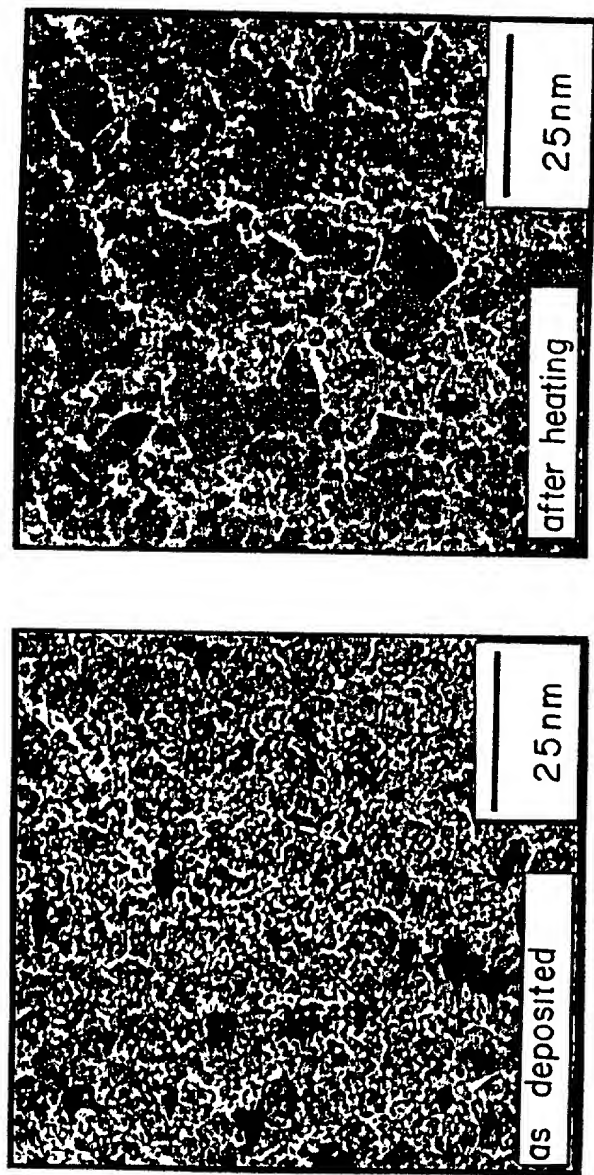


FIG. 8

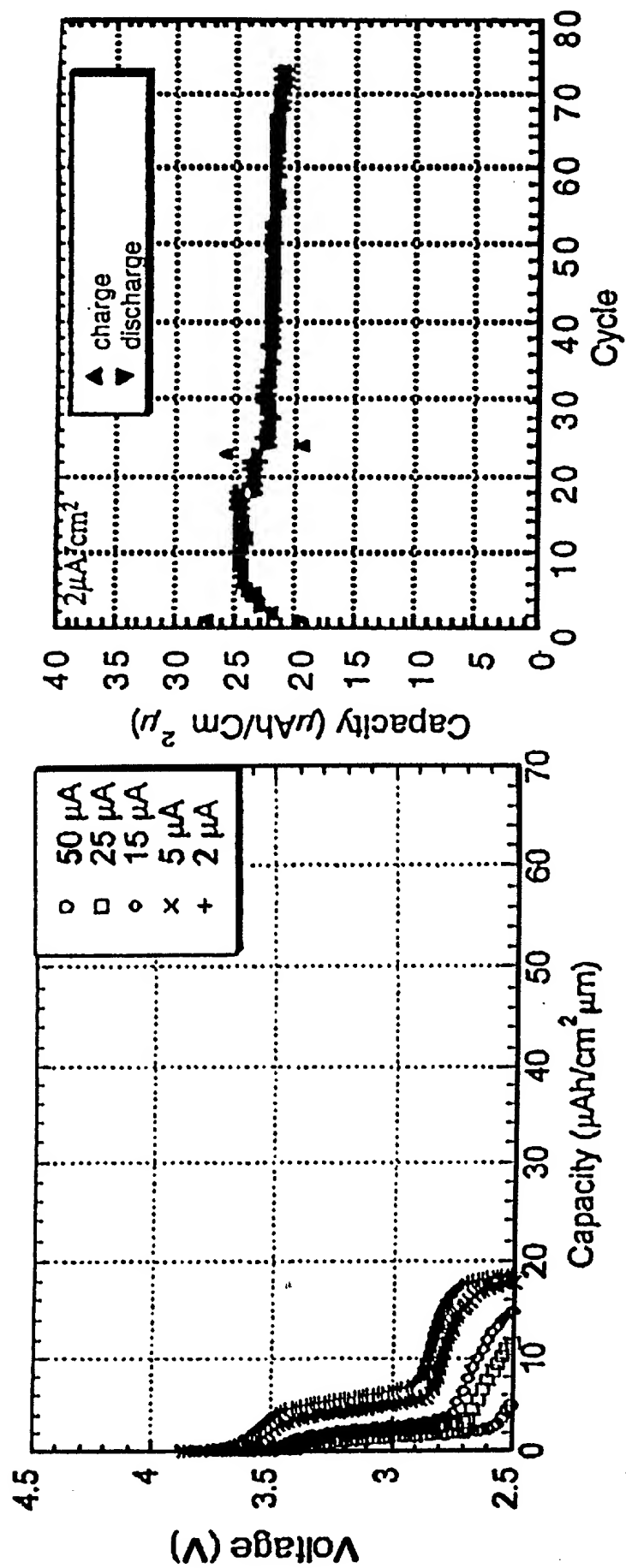


FIG. 9

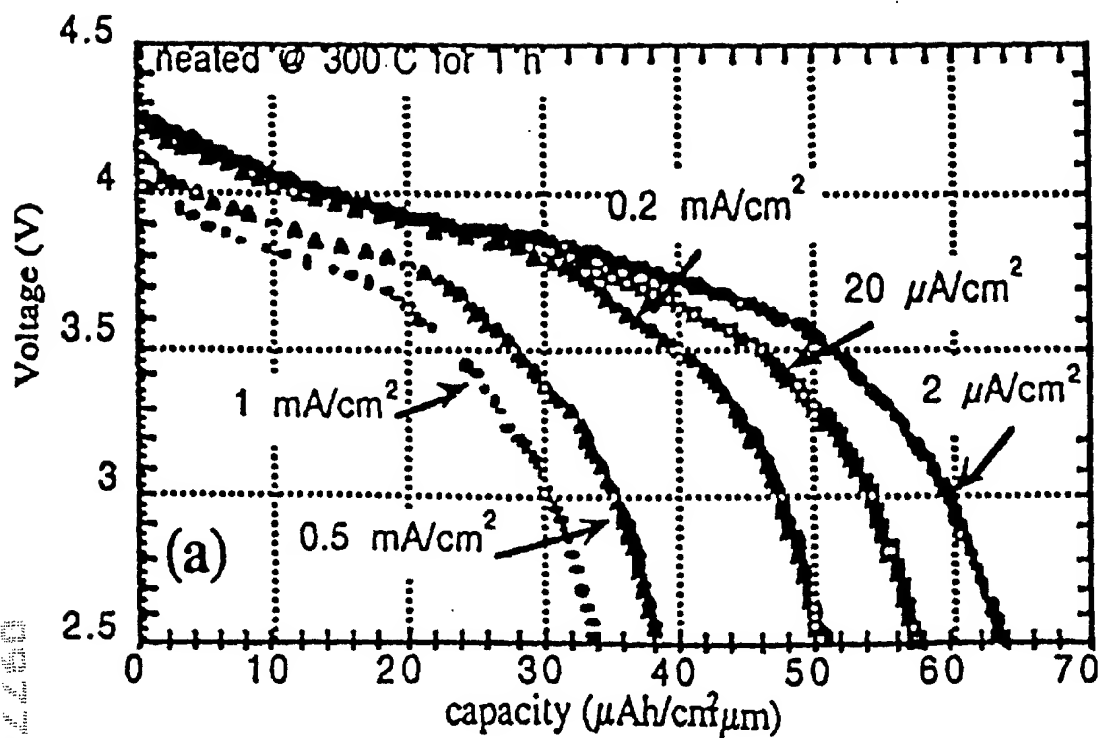


FIG. IOA

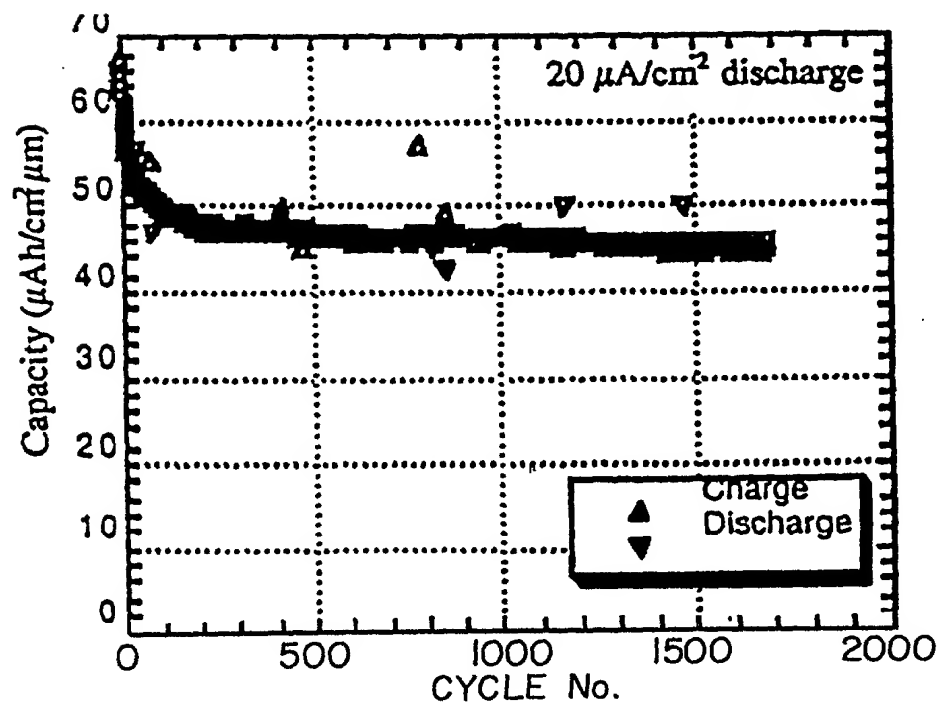


FIG. IOB